

Name: _____ ID# _____

**Lyon College Advising Sheet for 2011-2012
MATH MAJOR with Secondary Education Concentration**

CORE CURRICULUM: (48-51 credits)

Proficiency Requirements:	_____3	English 101	English Comp I
	_____3	English 102	English Comp II
	_____3	Math 101	College Algebra
_____3 and	_____3	101 and 102	FRN, SPN, or FGN

Distribution Requirements:

Two from the following:

3_____ ANT 101	Intro to Cultural Anthropology	3_____ ECO 101	Principles of Economics I
3_____ POL 101	US Govt & Politics	3_____ PSY 101	Intro to Psychology*

One from the following:

3_____ ART 101	Intro to Visual Arts	OR	3_____ MUS 105	Language of Music
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One from the following:

3_____ ENG 110	Intro to West Lit	OR	3_____ THE 101	Intro to Theatre
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Two in different disciplines, from the following:

4_____ BIO 100/L	Biology in Context & Lab	4_____ BIO 110/L	Princ of Biology I & Lab
4_____ CHM 100/L	Chemistry in Context & Lab	4_____ CHM 110/L	General Chemistry I & Lab
4_____ PHY 210/211	General Physics I & Lab	4_____ PHY 240/241	Fund of Physics & Lab
4_____ MTH 110	Elementary Functions	3_____ MTH 115	Discrete Mathematics
4_____ MTH 210	Calculus I		

One from the following:

3_____ RPH 110	Old Testament	3_____ RPH 120	New Testament
3_____ RPH 130	Intro to Christian Theology	3_____ RPH 140	Intro to World Philosophies
3_____ RPH 150	World Religions		

Sophomore Sequence

One from the following:

3_____ HIS 201	Western Civilization I	3_____ RPH 201	Western Intellec Tradition I
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One from the following:

3_____ HIS 202	Western Civilization II	3_____ RPH 202	Western Intellec Tradition II
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Physical Education Requirements

1_____ PED 101	Physical Fitness (freshman year)	1_____ PED	activity class (sophomore)
_____	Junior year option	_____	Senior year option

The Secondary Education Concentration

Those students who wish to be licensed to teach in Secondary School (7-12) must complete the following requirements. Through the Secondary Education concentration, the College assists students in qualifying majors who wish to teach at the secondary school level. The curriculum offered adds professional training and classroom experience to a solid education in the liberal arts. The program currently prepares students to gain teaching licensure in the following subject areas – **English, Math, Spanish, Social Studies, Art, and Music**. Students wishing to concentrate in Secondary Education must be formally admitted by the Liberal Arts Teacher Education Committee.

Requirements for a Concentration in Secondary Education

___ PSY 101	Introduction to Psychology	3 credits
___ EDU 202	Overview of Teaching	3 credits
___ PSY 339	Learning & Cognition	3 credits
___ EDU 325	Practicum I	1 credit
___ EDU 326	Practicum II	1 credit
___ EDU 335	Educating Diverse and Exceptional Learners	2 credits
___ PSY 310	Child and Adolescent Development	3 credits
___ EDU 404	Methods of Integrating Liberal Arts in the Secondary School	3 credits
___ EDU 495	Student Internship*	8 credits (4+4 in F,S)
TOTAL = 27 credits		

*A component of the Student Internship hours is an on-campus seminar taken during the fall and spring semesters of the senior year. Students will meet one hour a week on the Lyon campus to review intern experiences and discuss relevant topics.

*In order to receive a final grade on the internship, students must submit scores for Praxis II.

Major

39 Credits

___	4	MTH 210 Calculus I*
___	4	MTH 220 Calculus II
___	4	MTH 230 Calculus III
___	3	MTH 290 Foundations of Modern Math
___	3	MTH 300 Differential Equations
___	3	MTH 330 Linear Algebra
___	3	MTH 420 Abstract Algebra I
___	3	MTH 440 Mathematical Analysis I
___	3	CSC 140 Introduction to Programming I OR CSC 110 Programming with BASIC

Three Mathematics electives (300/400 level)

___	_____
___	_____
___	_____

Teaching Field Requirements for Math Majors:

Required by the state for licensure: _____ MTH 400 Secondary Methods in Mathematics

Candidates will be individually advised concerning their need for additional areas of coursework tested on the Praxis II exam in: Algebra, Measurement, Geometry, Trigonometry, Functions, Calculus, Data Analysis/Statistics, Probability; Matrix Algebra, and Discrete Mathematics

NOTE: More information about the required Praxis II exams for Math can be found on Lyon's Teacher Education web page and at www.ets.org/praxis

Approved by:

Student: _____ Major Advisor: _____

Concentration Advisor: _____ Division Chair: _____